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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/686,310	10/15/2003	De Liufu	24076-2	7249
7590 11/22/2004 Woodard, Emhardt, Moriarty, McNett & Henry LLP Suite 3700			EXAMINER	
			KOSLOW, CAROL M	
Bank One Center/Tower 111 Monument Circle Indianapolis, IN 46204-5137		ART UNIT	PAPER NUMBER	
		1755		
		DATE MAILED: 11/22/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)			
Office Action Summers	10/686,310	LIUFU, DE			
Office Action Summary	Examiner	Art Unit			
The MAN INC DATE And	C. Melissa Koslow	1755			
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet with the	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a r If NO period for reply is specified above, the maximum statutory peri Failure to reply within the set or extended period for reply will, by stat Any reply received by the Office later than three months after the ma earned patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a reply be to reply within the statutory minimum of thirty (30) do dwill apply and will expire SIX (6) MONTHS from the cause the application to become ABANDON.	timely filed ays will be considered timely. m the mailing date of this communication.			
Status					
1) Responsive to communication(s) filed on		:			
3) Since this application is in condition for allow		rosecution as to the merits is			
closed in accordance with the practice unde					
Disposition of Claims					
4) Claim(s) <u>1-31</u> is/are pending in the application	n n				
4a) Of the above claim(s) is/are withdo					
5) Claim(s) is/are allowed.	am nom consideration.				
6)☐ Claim(s) is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) 1-31 are subject to restriction and/o	or election requirement.				
Application Papers					
9)☐ The specification is objected to by the Examir	ner				
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to the	ne drawing(s) he held in shovenee. So	27 CED 4 95(-)			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the B	Examiner. Note the attached Office	e Action or form PTO-152			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the priority application from the International Bures* * See the attached detailed Office action for a list	nts have been received. nts have been received in Applicationity documents have been received au (PCT Rule 17.2(a)).	ion No ed in this National Stage			
Attachment(s)					
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	. 4) ∐∷Interview Summary — Paper No(s)/Mail Da	(PTO-413)			
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date	5) Notice of Informal P 6) Other:	Patent Application (PTO-152)			

Application/Control Number: 10/686,310

Art Unit: 1755

Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-19, drawn to a piezoelectric ceramic having a defined formula, classified in class 252, subclass 62.9PZ.

II. Claims 20-31, drawn to a method for producing a poled piezoelectric ceramic where the formula is not given, classified in class 264, subclass 435.

The inventions are distinct from each from the other because of the following reason:

Inventions I and II are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions are not capable of use together and they have different modes of operation.

If applicant includes the formula of claim 1 into claim 20, then the inventions are distinct from each from the other because of the following reason:

Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product as claimed can be made by another and materially different process, such as forming a homogenous mixture of the required metal compounds by co-precipitation, calcining the co-precipitated mixture which would occur at a lower temperature range than that in claim 20, molding the calcined powder into a green article, sintering the article at a temperature in the rage of 1000-1300°C and poling the sintered article under the conditions of claim 20.

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Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

A telephone call was made to Jim Myers on 17 November 2004 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Pursuant to the procedures set forth in the Official Gazette notice dated March 26, 1996 (1184 O.G. 86), claims 20-31 directed to the process of making or using the patentable product, may be rejoined if claim 20 includes all the limitations of claim 1 and if claim 1 is found allowable.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melissa Koslow whose telephone number is (571) 272-1371. The examiner can normally be reached on Monday-Friday from 8:00 AM to 3:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Bell, can be reached at (571) 272-1362.

The fax number for all official communications is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

cmk November 18, 2004 C. Melissa Koslow Primary Examiner Tech. Center 1700